

The Tech



OFFICIAL NEWSPAPER OF THE UNDERGRADUATES OF MASSACHUSETTS INSTITUTE OF TECHNOLOGY

VOL. LXXIV. NO. 22

CAMBRIDGE, MASSACHUSETTS, TUESDAY, MAY 11, 1954

5 CENTS

M.I.T. Glee Club And Logarithms Perform At Pops

Amid popping champagne bottles, tinkling glasses, and shuffling waitresses, the M.I.T. Baton Society presented its annual "Tech Night at the Pops" last Sunday at Symphony Hall, with the Boston Pops Orchestra, conducted by Arthur Fiedler.

The concert opened with a rather familiar piece by a composer who has just recently become quite well known in the Boston area, the *Hungarian March* from *La Damnation de Faust* by Hector Berlioz. The entire work was already played this past season by the Boston Symphony Orchestra in its regular series of concerts, and the stirring performance which was given was quite expected.

At one point during Prokofiev's *Classical Symphony* which followed the Berlioz work, I received the strange illusion that the xylophonist was tuning his instrument rather loudly. The illusion was due, however, to my unfamiliarity with the Pops Concerts, as the noises were merely due to the tinkling of glasses and bottles. Also included in the first part of the program were the *Marche Miniature* by Tchaikovsky and the *Overture to Ruslan and Ludmilla* by Glinka. In addition we heard two encores. First, *Polka* from the *Golden Age* by Shostakovich, a rather pleasant piece quite redolent of a puppet ballet, followed the Prokofiev work. The second encore was a novelty piece entitled *Flute Cocktail* by Simeone, a piece for three solo flutes and orchestra.

Rachmaninoff's *Rhapsody on a Theme of Paganini* with Hilde Somer as piano solo opened the second part of the concert, and was enthusiastically received by the audience. Miss

(Continued on page 4)

Novice Debaters Take First Place To Finish Season

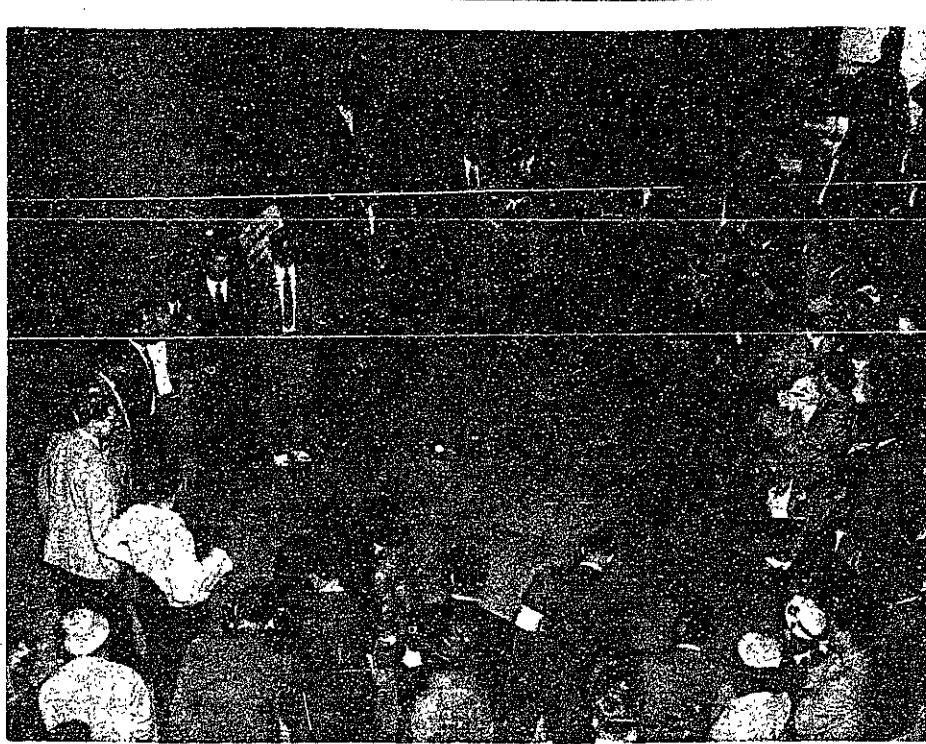
Under the guidance of coach Richard Marcus, the M.I.T. Debating Team swept all its matches in the Dartmouth Novice Tournament last Friday and Saturday. The Institute entries were Edward Roberts '57, DeWayne Ganow '57, James M. Chorak '57, and Vernon Porter '57.

The Debating Team finished its season with a record of 82 wins out of 113 decisions. The team took first place in the Emerson College, Brooklyn College, and New England Forensic Tournaments as well. The topic of this year's debates was "Resolved: That the United States Should Adopt a Policy of Free Trade."

Rooms Available For Senior Week, Graduation Guests

Reservations are now available in Baker House for rooms for dates during Senior Week, and parents immediately before graduation. To make these reservations, either contact directly or leave a note for Joseph R. Hearst '54 in 240 Baker, or Bruce R. Brosler '54, Holman 202, or leave a message at the Senior Week Beer Mug in the lobby of Building 10. Rooms will be ready for the guests after noon on Saturday, June 5. Dates will receive priority over parents.

The prices are: single room, \$3.50 per night; double, \$2.50 per night per occupant. These are Institute prices.



The "Logarithms" appear in the lobby of Building 7 during the M.I.T. Open House, Saturday, May 9.

Beaver Varsity Lights Win; Heavies Compete On Harlem

All the M.I.T. crews braved rain and currents to compete on Saturday and among them came up with two victories, two second places, and two complete defeats.

Once again it was the Lightweight Varsity that provided the biggest thrill for Techmen. Rowing on a rain-swept Charles River the Fraileymen established their superiority over their Harvard, Princeton and Yale opponents by defeating them decisively. At the start of the race Princeton took the lead with Tech and Harvard right on their heels. At Harvard Bridge they still had the lead, but were hard-pressed to keep it as the Engineers, understroking the Tigers, were gaining quickly.

At the Smith House M.I.T. upped the stroke to 35, took the lead, and stayed there till the finish. Princeton finished second by four feet, just ahead of a sprinting Cantab shell. They thereby won the Goldthwaite Cup as

the race-winning Tech shell was not eligible for it. The winning time was 6:55.2. Princeton finished in 6:56.5, Harvard in 7:03.0, and Yale in 7:15.0.

Harvard Takes Two Races

The other two competing lightweight crews, the Jay Vee's and the Frosh, rowed in near-identical races . . . and finished second in both. Each of them took early leads over the three other crews, kept it up to the Bridge, then fell before characteristic Crimson sprints. In both races Yale was third and Princeton fourth.

The winning times for the Cantabs were 7:14.5 for the Jay Vee's and 7:09.9 for the Frosh. The second place Techmen rowed near-identical 7:16 (J.V.) and 7:15's (Frosh), while both Yale shells finished in 7:20.

The Freshman race was marked by an incident which showed just how rough the river was. Right after finishing the race the Princeton shell

(Continued on page 3)

WGBH-TV To Be Non-Commercial, Educational Voice

Channel 2, the non-commercial educational television station which will be in operation this fall, today acquired space for its TV studios.

Papers for the rental of 84 Massachusetts Avenue were signed by Ralph Lowell, president of the WGBH Educational Foundation, and Dr. James R. Killian, Jr., president of the Institute, which owns the big building.

The WGBH Educational Foundation, which will operate Channel 2 under the call letters WGBH-TV, is now seeking to raise \$453,000 for operating costs for the new non-commercial station in a campaign sponsored by the Massachusetts Citizens Committee for Educational Television.

As was announced in *The Tech* last Friday, Channel 2's forthcoming TV studio and administrative offices will occupy almost the entire second and third floors of the brick building opposite the main entrance of M.I.T.

Suitable Space

The studio and offices acquired by the WGBH Foundation consist of approximately 11,000 square feet of floor space, about half of which is an area unbroken by columns. This large, open space with a 20 foot height is considered ideal for television production purposes.

Tentative remodeling plans locate on the main floor the engineer's office, and equipment room and shop, the TV control room and observation platform, a projection room, FM studio and FM control room, a conference room, offices for the program director, the production director and operations, and a lounge and receptionist's space at the entrance.

On the reconstructed balcony will be the kinescope and film department with a cutting room and tape library and film storage.

The rear of the building gives access to M.I.T.'s auditorium now under construction. It was pointed out that while the possibilities have not been

(Continued on page 4)

Institute Displays Work, Activities For Open House

In spite of the extremely poor weather, an estimated 14,000 visitors turned out for the Institute's 19th biennial Open House last Saturday.

Attendance was far short of the 30,000 expected but there was little doubt that those who came were genuinely interested in what they saw.

The exhibits as a whole were considered by many to be of higher caliber than in previous years, and of a tone more understandable to the layman. Among those taking tours were a group of 35 from the U. N. Secretariat, and several groups of Boy Scouts and Cub Scouts.

The Office of the Director of Admissions was specially open for the day and interviewed several prospective students.

Traffic in the halls was orderly and moved easily except in the area of the Voo Doo Nutcracker at the entrance to the Infirmary.

A large number of Officials, Guides and Open House Committee Members were available at all points to answer questions on exhibits and life at the Institute.

The Open House Committee still has in its possession two dissimilar gloves, one engraved earring, and two cable releases for cameras.

CORRECTION

The Tech wishes to apologize to William M. Layson, Thomas S. Hoffman, and Richard A. Jacobs, all of the Class of 1956, for omitting their names from the listing of new members of Beaver Key, the honorary society for juniors.

M. I. T. Receives Grants To Assist Cancer Research

The Damon Runyon Memorial Fund for Cancer Research last month awarded the Institute a \$20,000 grant, and one of its graduate students a \$3,000 fellowship for two cancer research projects undertaken here.

The grant to the Institute provides for research by Dr. John G. Trump, professor of electrical engineering, in his project entitled "Some Physical and Clinical Studies with High Energy Electrons." A graduate student in the Department of Biology, Dr. D. V. Siva Sankar was awarded a fellowship for \$3,000 to continue "Studies on the Biosynthesis of Purines."

Cardinal Newman Award Presented To Father Nugent

Fr. J. Edward Nugent, chaplain to the Boston Province and the Technology Catholic Club, was presented with the Cardinal John Henry Newman Award for outstanding service to the Newman Clubs in the Boston area. Fr. Nugent was largely responsible for the formation last year of the Boston Province of the National Newman Club Federation. The presentation was made this Sunday at the First Annual Convention of the Province in the Sheraton Plaza Hotel.

Eugene Leary '54 of M.I.T. presided as chairman at an afternoon meeting to elect officers. The men chosen are Joseph Letorney of Suffolk, president; Joseph Cronin of Harvard, vice-president; and Richard Mack of Northeastern, treasurer.

Work On New Chapel Commences

It has been announced that work has begun on the new chapel. The utilities have recently been installed and excavations should commence sometime this week. Final plans for the chapel have been released for publication in *The Tech* and are enumerated below.

The structure will be located in the area between the auditorium and Bexley Hall, with the entrance passageway extending towards Massachusetts Avenue and terminating in a brick wall facing on the service driveway behind Bexley Hall.

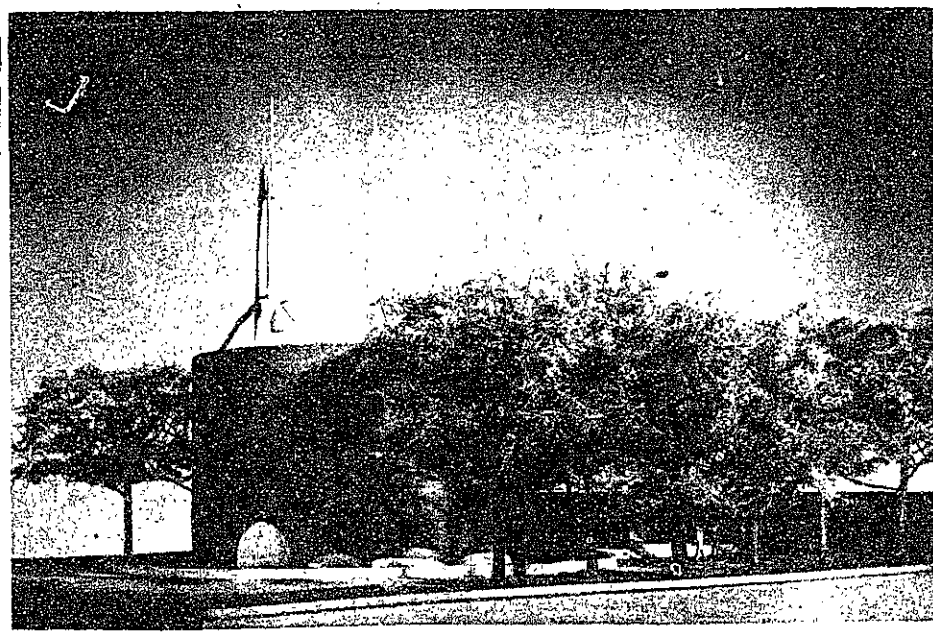
The chapel proper will seat slightly over 120 persons. The building will be approximately 50 feet in diameter by 30 feet high. It will be surrounded by a pool 12 feet wide. The total length of the structure (including entrance passageway) will be just greater than 100 feet.

Surrounding Walls

The chapel will be enclosed by two concentric walls. The outer wall is brick, with arches in its base. The brick will be of a fine, even-textured quality. This wall is supported by columns of Imperial Red Granite at the base of each arch (see picture).

The inner wall makes contact with the outer only along the lines described by the base of each arch and its supporting column. The wall itself bows inward at each arch so that one can look through the arch to inner wall. This wall and the pool will be built of the light colored Mankato stone.

Access to the chapel will be gained through the doors leading into the enclosed passageway, as shown in the



Picture of latest model of chapel. Note wall running along service driveway behind Bexley Hall. Auditorium is off the picture to the left. Proposed spire is shown placed above skylight in roof.

picture. There will be an emergency exit leading out onto the service driveway. Just inside and above the entrance to the chapel proper will be a mezzanine on which will be placed a small Bach style organ. The organ is being built by Walter Holtkamp of Cleveland, Ohio.

The floor of the chapel will be made of Travertine, the same stone as the walls of Building 10 lobby. On the opposite side of the chapel from the entrance, on a raised circular platform, will be a marble pedestal, directly behind which will be a lift in the form of a small table, which will run mechanically between the lower floor and

the chapel. Directly behind this lift will be a flight of stairs leading to the lower floor.

Storage Rooms

This lower floor will consist of six storage rooms, each appropriately furnished, one for each religious denomination. These rooms will be used for the storage of religious objects. Every time a service is to be held, the lift will be lowered to the ante-room in the lower floor, the articles for worship will be placed on it, and it will then be raised to the upper level.

Light in the chapel will come from two sources. The first is reflected light

(Continued on page 3)

The Tech

VOL. LXXIV

Tuesday, May 11, 1954

No. 22

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OFFICES OF THE TECH

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 Entered as second class matter at the post office at Boston, Massachusetts.

Calendar of Events

from May 12 through May 19, 1954

WEDNESDAY, MAY 12

Food Technology Department. Food Industry Seminar: "Industrial and Occupational Hazards in Industry." Dr. Harriet L. Hardy. Room 16-310, 2:00 p.m.
 Mathematics and Physics Departments. Operations Research Seminar: "Optimum Lot Size Under Uncertainty." Prof. William Taylor, Ohio State University. Room 6-219, 3:00-4:00 p.m.
 Military Science Department. R.O.T.C. parade and presentation of honors and awards. Briggs Field, 4:00-5:00 p.m.
 Electrical Engineering Department. Seminar: "Electron Beams as Transmission Lines"—or, "A Novel Approach to Beam-Type Amplifiers." Prof. Hermann Haus. Room 6-120, 4:30 p.m.
 Catholic Club. Lecture: "The Purpose of Life." Fr. J. Edward Nugent. Room 2-190, 5:00 p.m.
 Order of DeMolay—M.I.T. Chapter. Meeting. Tyler Lounge, Walker Memorial, 8:00 p.m.
 School of Architecture and Planning. Films: "Pacific 231," "The Bridge," "Monarch Butterfly," and "Conspiracy in Kyoto." Room 7-427, 8:00 p.m.
 Technology Christian Association. Lecture: "Science and the Human Spirit." Dr. Edmund W. Sinnott, Dean of the Graduate School and Director of the Sheffield Scientific School, Yale University. Hayden Memorial Library Lounge, 8:00 p.m.

THURSDAY, MAY 13

Aeronautical Engineering, Mathematics, and Mechanical Engineering Departments. Lecture: "Boundary Layers in Three-Dimensional Flow." Prof. W. R. Sears, Director of Graduate School of Aeronautical Engineering, Cornell University. Room 4-231, 4:00 p.m.
 Physics Department. Colloquium: "Cyclotron Resonance in Germanium." Dr. Benjamin Lax, Lincoln Laboratory. Room 6-120, 4:15 p.m.
 Lecture Series Committee. Films: "Der Hauptman von Koenigstein" (German comedy with English subtitles) and "Man Against Mount Everest." Room 3-270, 5:00, 7:30, and 9:30 p.m. Admission: 30 cents.
 School of Architecture and Planning. Lecture: "The Heart of the City." Prof. Jose L. Sert, Dean of the Graduate Faculty of Design, Harvard University. Room 7-403, 8:00 p.m.

FRIDAY, MAY 14

Convocation for all students and staff. Rockwell Cage, 11:00 a.m. The program will include announcement of the Compton Awards for this year.
 M.I.T. Model Railroad Club. Open House for M.I.T. family. Room 20E-214, 20E-216, 2:00-5:00 p.m.
 Aeronautical Engineering, Mathematics, and Mechanical Engineering Departments. Lecture: "Rotating Stall in Axial Compressors." Prof. W. R. Sears, Director of Graduate School of Aeronautical Engineering, Cornell University. Room 3-370, 4:00 p.m. Coffee will be served in Room 3-174 from 3:30-4:00 p.m.
 Modern Languages Department. 5:00 p.m. deadline for application to take graduate language examination. Room 14N-307.

SATURDAY, MAY 15

Catholic Club. "Steak Feast." Food, sports, dancing. \$1.50 per person. Transportation from Walker Memorial at 12:00 noon and 1:00 p.m.
 Informal Dance Committee. Dance. Refreshments and entertainment. Walker Memorial, 8:00 p.m.-12:00 midnight. Admission: \$1.00 per couple.

MONDAY, MAY 17

Chemical Engineering Department. Colloquium: "Combustion in Internal Combustion Engines." Mr. Wheeler G. Lovell, Ethyl Corporation. Room 12-182, 4:00 p.m.

TUESDAY, MAY 18

School of Architecture and Planning. Films: "Building for the Nations" and "Antarctic Whale Hunt." Room 7-427, 4:00 p.m.
 IRE-AIEE—Student Branch. Lecture: "Feedback and Economics." Prof. Arnold Tustin. Room 4-103, 5:00-6:00 p.m.
 Christian Science Organization. Subject: "Perseverance and Progress." Tyler Lounge, Walker Memorial, 5:15 p.m.
 Modern Languages Department and Lecture Series Committee. Film: "Topaze" starring Fernandel (French comedy with English subtitles). Room 6-120, 5:30 and 8:00 p.m. Admission: 30 cents.

WEDNESDAY, MAY 19

Electrical Engineering Department. Colloquium: "The Analytical Approach to Heat Transfer Problems in Electrical Equipment." Mrs. Bruce O. Buckland, Heat Transfer Engineer, General Electric Company. Room 6-120, 4:30 p.m. Refreshments in Room 6-321 from 4:00-4:30 p.m.
 Mathematics and Physics Departments. Operations Research Seminar: "Operations Research in Planning." Dr. A. A. Brown, Arthur D. Little, Inc. Room 6-219, 3:00-4:00 p.m.

EXHIBITIONS

A one-man show of sculptures, graphics, and furniture by Harry Bertoia will be exhibited in the New Gallery of the Charles Hayden Memorial Library beginning on May 19. Hours: Monday through Friday, 9:00 a.m.-5:00 p.m.; Saturdays and Sundays, 2:00-5:00 p.m.

An exhibition of student work in the graphic arts (photography, painting, sculpture, etc.) will be shown in the Lobby of Building 7 from May 11-21. The exhibit is being sponsored by the Technology Christian Association. Judging will take place on Wednesday, May 12.

Photographic Salon prints by Mr. Art H. Oehl of Winnetka, Illinois, will be shown in the Photo Service Gallery, Basement of Building 11, through May 31.

CALENDAR OF EVENTS

The final issue of the Calendar of Events will appear in THE TECH on Tuesday, May 18, with announcements for the following eight days (May 19-26). Notices, typewritten and signed, must be in the office of the editor, Room 7-204, not later than noon on Thursday, May 13.

through the mail

To the Editor of The Tech:

The recent set of proposals passed on Freshman Rules in the Institute Committee is an example of what complete apathy of the student body can lead to. The Institute Committee is supposed to act as the expressers of undergraduate opinion. I contend that this is not true today. It is not the fault of the representatives, but of the students. The representatives should have been advised how to vote on the question of the abolition of Freshman Rules by the members of their class before the vote was taken. As it is, a handful of men are running the whole Institute undergraduate body.

The fact is that Freshman Rules have been eliminated from the requirements for incoming freshmen. There has been talk of discontinuing Freshman-Sophomore football. A suggestion has been made that undergraduates wear a pin with "M.I.T." and their year on it. A suggestion has been made that everyone wear a school tie. To top off all this tommyrot, there will be a singing contest on the school songs between the Frosh and Sophs with points going to the winner towards Field Day. What kind of a dandy bunch of pansies are they trying to make out of M.I.T. students?

For a school of higher learning we are certainly not acting as if we have learned much about majority rule or democratic action. The undergraduate body has been duped. When a vote of 9-7 at an Institute Committee meeting can legislate a procedure that more than half of the undergraduate

Student Politics

by David Brooks '55

Test of Student Government

At its most recent meeting Institute Committee passed three motions pertaining to the Athletic Association. They concerned the possible dropping of Field Day football, the scheduling of athletic contests, and the method of appropriating money to the Athletic Association. While all are important and directly affect many here at the Institute, the third one above stands a definite test of student government.

The motion recommends that financial appropriations to the M.I.T. A.A. be given in one lump sum at the beginning of the year instead of the \$5000 and \$10,000 allotments presently doled out. The problem arises from the inability of the A.A. to pay large bills, such as from the purchase of equipment, promptly because of the time lag of about two weeks between request and appropriation.

Recognizing this problem Dave Scott '55, President of the Athletic Association and Bob Anslow '54, past Chairman of Finance Committee saw Mr. Kispert last year to ask his approval of a change in this procedure. His answer was, in effect, "NO." Now the reform has come up again but this time from the highest body of student government. What Mr. Kis-

body is against, the system is in poor shape. It is about time that the students made use of their student government and stopped such "pansy-legislation."

Bill Peter '56

May 6, 1954

pert does now will be extremely significant regarding the administration's attitude toward student government, how much trust they place in it, and how they regard its suggestions.

The second recommendation (which really came from the Athletic Association and has already been complied with by them) was that Professor Ivan J. Geiger, head of the Department of Athletics, be responsible for the scheduling of intercollegiate contests rather than the student managers as at present. This would remove one of the burdens from the job of a manager which is one of the toughest on campus. It is significant that within the past two years over a half dozen student managers have flunked out.

Furthermore it would facilitate matters as Prof. Geiger can arrange games with the advice of the coaches by talking to other men at regional meetings rather than through the medium of a long exchange of letters as is now required.

Both of the above recommendations are important in another light. It is well known that M.I.T. has a student run A.A. If bills are not promptly paid or scheduling is poorly done, it casts a dim light on both the Institute

(Continued on page 4)

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Injury-Hampered Tech Track Men Defeated By UNH

An injury ridden Beaver track team succumbed to the University of New Hampshire 77-58. The Wildcats amassed their winning margin by outscoring the Beavers in the dashes and hurdles 32-2. Both Warren Latoff '55 and Sid Klein '54 were out with in-

juries and UNH had no trouble in sweeping the high hurdles and 220 yard dash and placing 1-2 in both the low hurdles and 100 yard dash. The return of Captain Ian Williams helped in part to compensate for the loss. Williams showed no ill effects from his seven week lay-off as he placed second in the 440.

Morefield, Farquhar Star for Tech
John Morefield '56 continued to dominate the weight events as he scored firsts in the shot-put, discus, and javelin. Jack Farquhar '54 turned in two scintillating performances on the rain soaked track. He won the mile closely

followed by Sture Bengston '55 and came back in half an hour to win the 880 as he released a furious kick 50 yards from the tape and won by a ten yard margin. Harry Schreiber '55 won the 440 and placed third in the 880. Bill Antoine '55 and Ed Hale '55 completed the Beaver victories with firsts in the high jump and pole vault respectively.

Solenberger Leads Frosh to Victory
The Frosh team pulled a complete reversal of the varsity meet as they beat the UNH yearling 66-60 and avenged an earlier loss during the indoor season. Bob Solenberger continued his undefeated skein as he won both the mile and 880. Dick Wade '57, Ed Hoyt '57 and Jay Bonnar '57 coped the other Engineer victories. Dick Spaulding stood out for UNH as he won four first places.

Solenberger Elected Frosh Captain
Bob Solenberger '57 of Winchester, Virginia, a member of Delta Tau Delta fraternity, was elected captain of Frosh track team before the meet. He was recently chosen Freshman athlete of the year by the Quadrangle Club.

M.I.T. meets Northeastern at 1:30 on Saturday at Briggs Field. Dick Ollen of Northeastern ran a 4:17 mile against M.I.T. during the winter track season and could break the Briggs Field record on Saturday.

Crew

(Continued from page 1)

floundered. Its deck had been broken by the pounding it had taken, and when the crew attempted to reach the dock it was rowed under.

While their lighter brothers were taming the bucking Charles the Tech heavyweight crews were in New York rowing in a drenching downpour on the Harlem River. Their opponents were Columbia and Boston University shells. Our Jay Vee's won while the Varsity and Freshmen finished last.

In the Varsity event the Lions opened an early lead and were never headed. Under-stroking a powerful B.U. crew, they clung to a deck-length margin and, when called upon to sprint, won going away. The Beavers finished two lengths behind B.U. The times for the two mile, with the current course . . . Columbia 8:46.8, B.U. 8:50.3, M.I.T. 8:58.

The Jay Vee's won their race quite handily. They took the lead away from Columbia at the quarter mile mark and had no trouble thereafter. At the finish there was open water between the Tech shell and the second-place Lions, while the Terriers were a close third. The victors' time was 8:47.

Beaver Netmen Top RPI, Earn Three Doubles Wins

Three clutch doubles wins gave the Tech netmen a 6-3 upset win over R.P.I. last Friday at Troy, New York. This win pushed the Beavers over the five hundred mark for the season and assured them of a winning record. The Summersmen face a weak Holy Cross team in the season's finale this week.

After the six singles matches, Tech

emerged with a 3-3 stalemate as captain John Melavas '54, Larry Moss '56, and Gil Strang '56 registered the wins.

Melavas recorded his fourth victory of the season as he pounded out scores of 6-2, 6-3 over R.P.I.'s number one man. Melavas had no difficulty at all as his fine serve and net game completely confounded his opponent.

Soph Strang, playing in his first varsity singles match, came through with an important 8-6, 6-4 win. Strang played a very steady game relying on his opponent to make the errors.

The final Tech singles victory went to Larry Moss as he crushed the number three Rensselaer player 6-2, 6-3. Moss gained his second victory of the season and it couldn't have come at a more important time.

Doubles Matches Close

Two of the three doubles matches went three sets as the advantage swung from one team to the other. Strang and Bish Parmar '55 applied the clincher as they rallied from a one set deficit to take the third doubles match.

Paul Goldin '54 and Moss registered their fourth consecutive doubles win as they blasted R.P.I.'s number one and three men 6-1 and 7-5.

Melavas and Rene de Leon '56 added the final counter to the Tech total as they scored a 6-3, 6-1, 6-4 win. This match featured some brilliant net play on the part of both duos.

The scheduled match with Williams College at Williamstown was rained out. This is the second rainout the netmen have experienced as an earlier match with W.P.I. was also postponed.

Chapel

(Continued from page 1)

from the pool. The second is a skylight directly above the pedestal. Inside this skylight will be two banks of floodlights for illumination on dark days. Just below the lights will be a grate which will act as a horizontal venetian blind to control the amount of light from both the skylight and the electric lights.

Completion date for the basic structure has been set for February 1, 1955, and target date for the entire building has been set for November 1, 1955.

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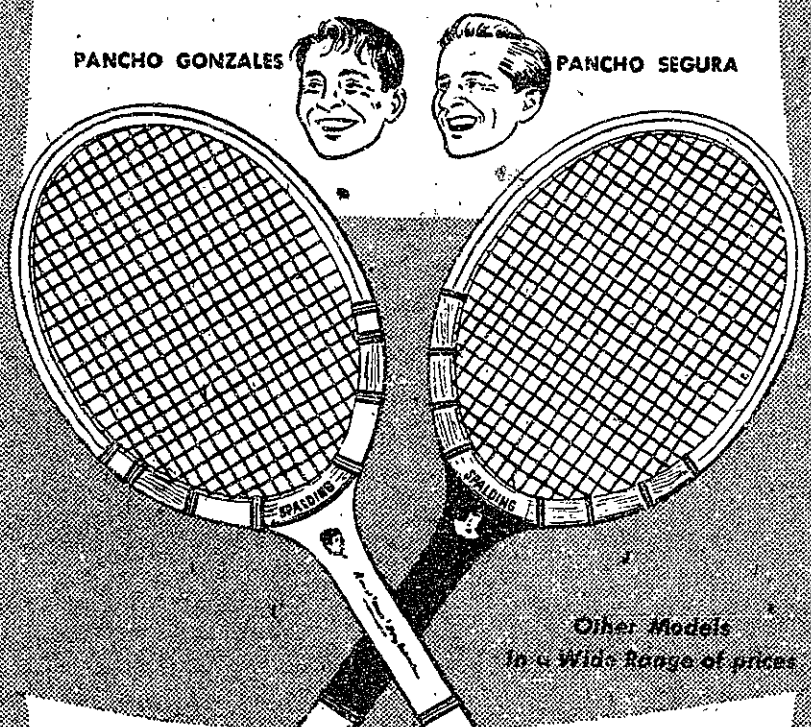
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Electronics Firm, Raytheon, Joins Cooperative Plan

Massachusetts Institute of Technology and Raytheon Manufacturing Company today jointly announced a plan whereby the Waltham, Mass., electronics firm became one of nine such companies to participate in M.I.T.'s cooperative course in electrical engineering.

Under the plan, engineering students of the school are selected for practical experience in the firms' laboratories and factories. Paralleling their academic pursuits with actual work in their chosen careers, these students upon graduation will be awarded simultaneously the degrees of Bachelor of Science and Master of Science.

Those who will begin work in Raytheon's plants next fall under the M.I.T. plan will be given experience in various phases of electronics including the development and production of microwave and receiving tubes, transistors, and communications equipment. Raytheon is the largest firm in these technical fields in New England.

Pops

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Somer was called out on stage several times for bows, but could not, however, be induced to play an encore. This was followed by a rendition of *An American in Paris* by Gershwin which included a rather fine trumpet solo by a trumpeter who shall remain nameless due to his name not appearing on the program.

As its contribution to the evening's entertainment, the M.I.T. combined Glee Club and Choral Society, directed by Professor Klaus Liepmann, performed sections of the *Te Deum Laudamus* by Anton Bruckner. Here the remarks which have previously been made about this organization still hold. Namely, they sing quite well, but their enunciation could and should be improved. The same holds true for the Glee Club's presentation of *Vineta* by Brahms-Liepmann, *Humble*, a Negro Spiritual, *Old Man Noah*, a sea chantey, *Take Me Back to Tech* and *Arise Ye Sons of M.I.T.* Michael D. Mintz '57 was the soloist in *Humble*, and like the rest of the group his singing was quite good although slightly marred by imperfect enunciation. Three selections by the Logarithms were heard between two of the Glee Club pieces.

These choral works were followed by *TViana*, a conglomerated arrangement of various musical themes and commercials from television which included the words Bromo Seltzer, recited twice by the members of the orchestra and a locomotive whistle. As a rather appropriate encore we heard *Look Sharp, Be Sharp*, a rather loud take-off on the Gillette Razor Blade commercial.

Concluding the concert was the M.I.T. Stein Song. At this point the Technicians present slowly rose to their feet one by one as they recognized one of their school songs, and by the second stanza all were finally standing and several even singing along with the orchestra.

WGBH-TV

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formally explored, the proximity of WGBH-TV to the auditorium would make it possible by a simple transfer of cameras from the studio to the auditorium to televise MIT scholastic seminars and functions, or even audience participation in a TV program.

With \$600,000 already on hand through the generosity of several foundations and now being used for construction purposes, including erection of the transmitter station on Great Blue Hill in Milton, hundreds of volunteer workers are now seeking to raise the \$453,000 needed for operating funds.

The campaign, under the direction of Dr. Claude M. Fuess, headmaster emeritus of Phillips Academy, Andover, represents the joint cooperation of some 40 organizations united as the Massachusetts Citizens Committee for Educational Television. The aim of Channel 2, according to its sponsors, is to draw on the academic, scientific and civic resources of Boston for educational programs for every member of the family.

Politics

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and Professor Geiger. There are many, most of whom are at other schools, who use such incidents to claim that a school athletic association should be run by the faculty and not by the students.

The final recommendation is that the Athletic Association drop Field Day Football if a suitable sports substitute can be found. Though the A.A. has agreed to this it is doubtful if the

conditions can be met as no substitute is in sight and none is likely to be found. No sport of this type has quite the general spectator appeal and none is as well known to so many as football. It provides the necessary buildup of excitement which climaxes in the glove fight.

The principle argument against Field Day football is the expense, \$2000 per year. It is also argued that there is little interest, coaching is poor, and injuries high due to poor

conditioning. Its proponents, however, claim the cost is not excessive as 50 men turn out making the cost \$40 per man while other sports such as rifle with a budget of \$2500 and only 10 men spend considerable more. The A.A. has also appointed advisors to help the student coaches in the training of the players. But perhaps the most important argument on this side is that if 50 men each year want to turn out (not exactly a lack of interest) and enjoy the sport then we

ought to provide it and consider the cost worthwhile.

The rings for the Class of '55 are guaranteed by May 15 . . . Nominations are open for next year's Chairman of the Student Union Committee . . . Inscomm rescinded its motion on class rings mentioned last week . . . Many consider the above mentioned test of student government as one of the most important in a long time.



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